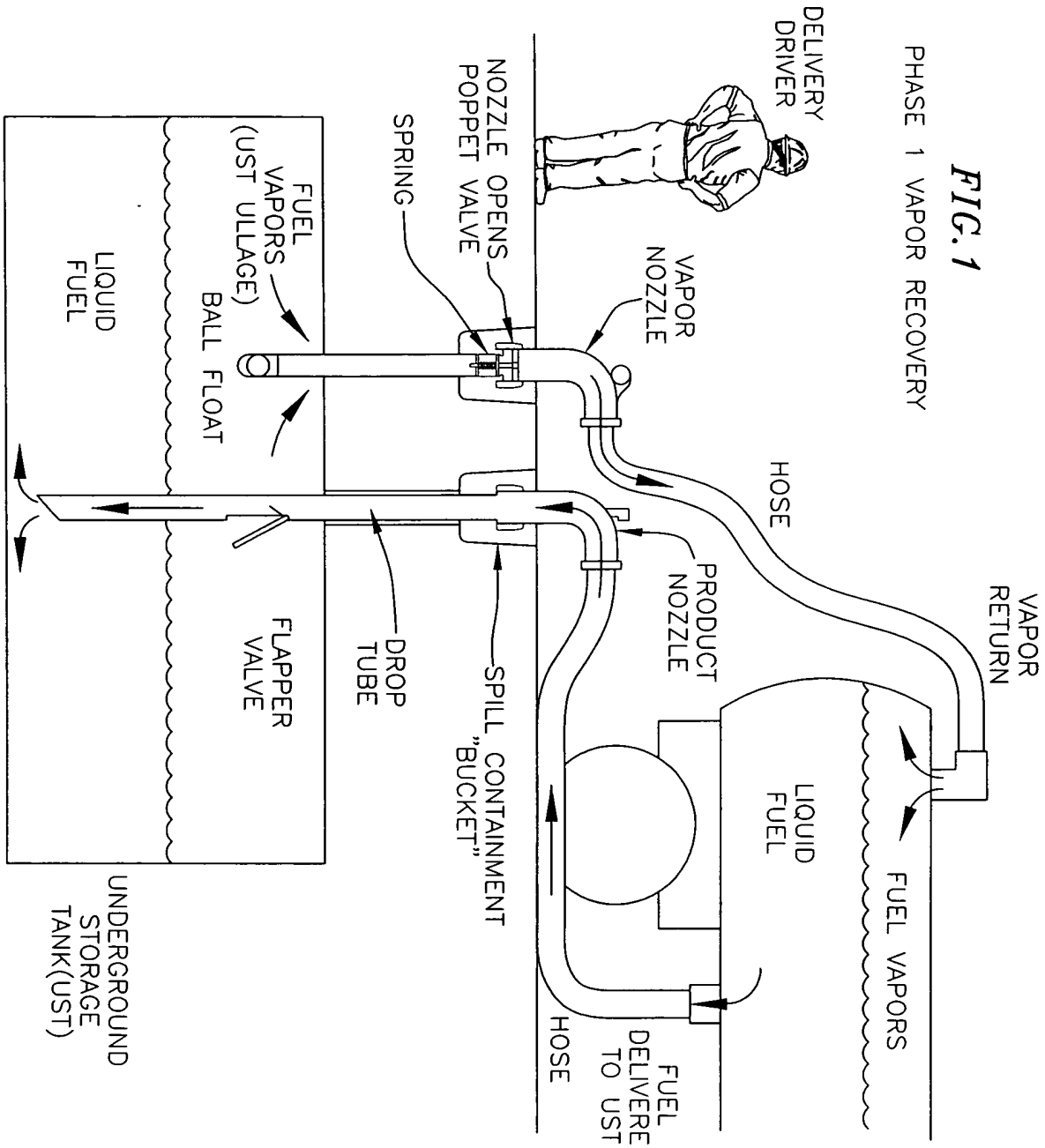

PHASE 1 VAPOR RECOVERY
DELIVERY DRIVER
NOZZLE OPENS POPPET VALVE
SPRING
VAPOR NOZZLE
HOSE
VAPOR RETURN
PRODUCT NOZZLE
FUEL VAPORS
LIQUID FUEL
FUEL DELIVERED TO UST
HOSE
FUEL VAPORS (UST ULLAGE)
BALL FLOAT
LIQUID FUEL
FLAPPER VALVE
DROP TUBE
SPILL CONTAINMENT "BUCKET"
UNDERGROUND STORAGE TANK(UST)

*FIG. 1*

FIG. 2

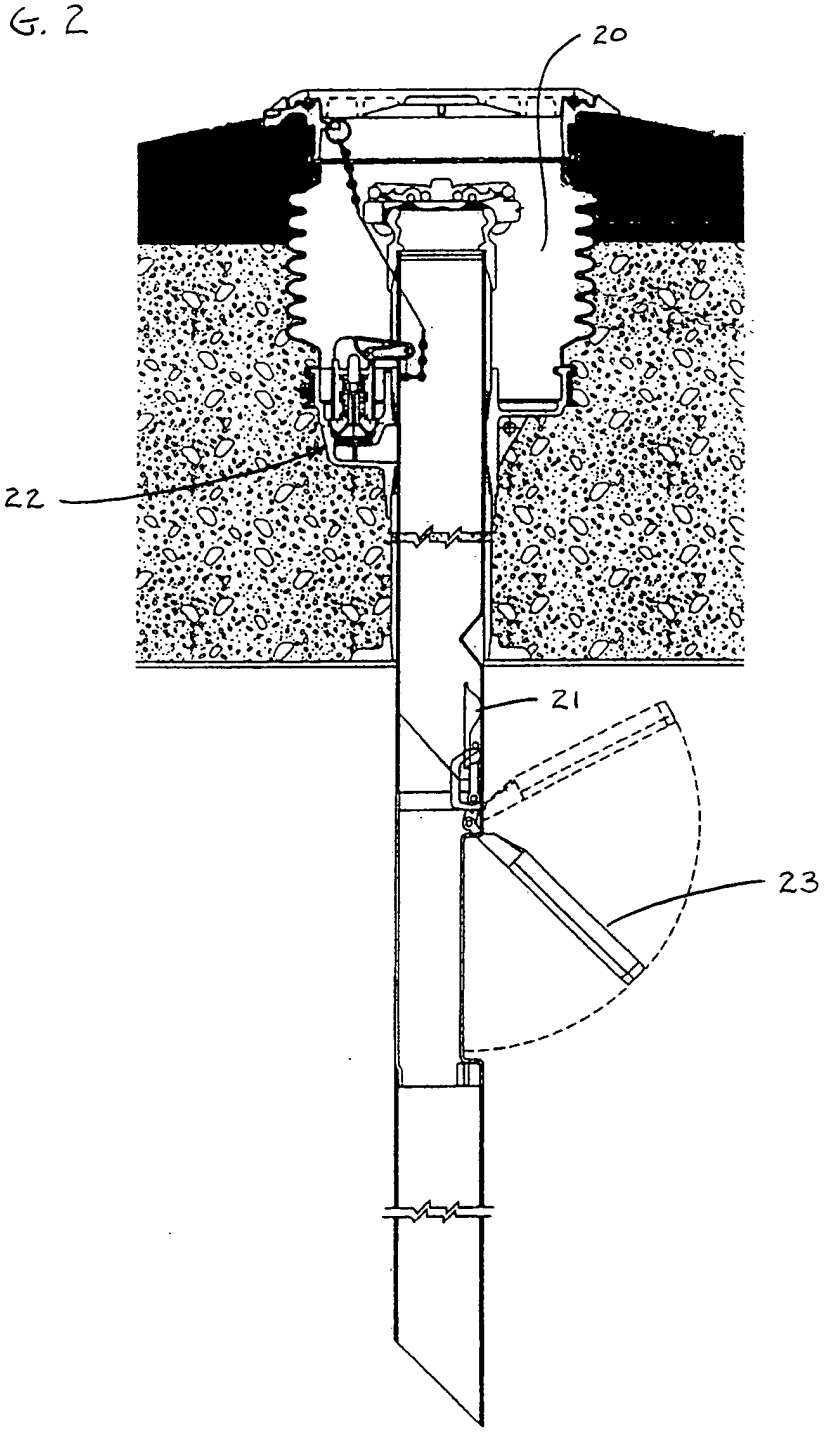


FIG. 3

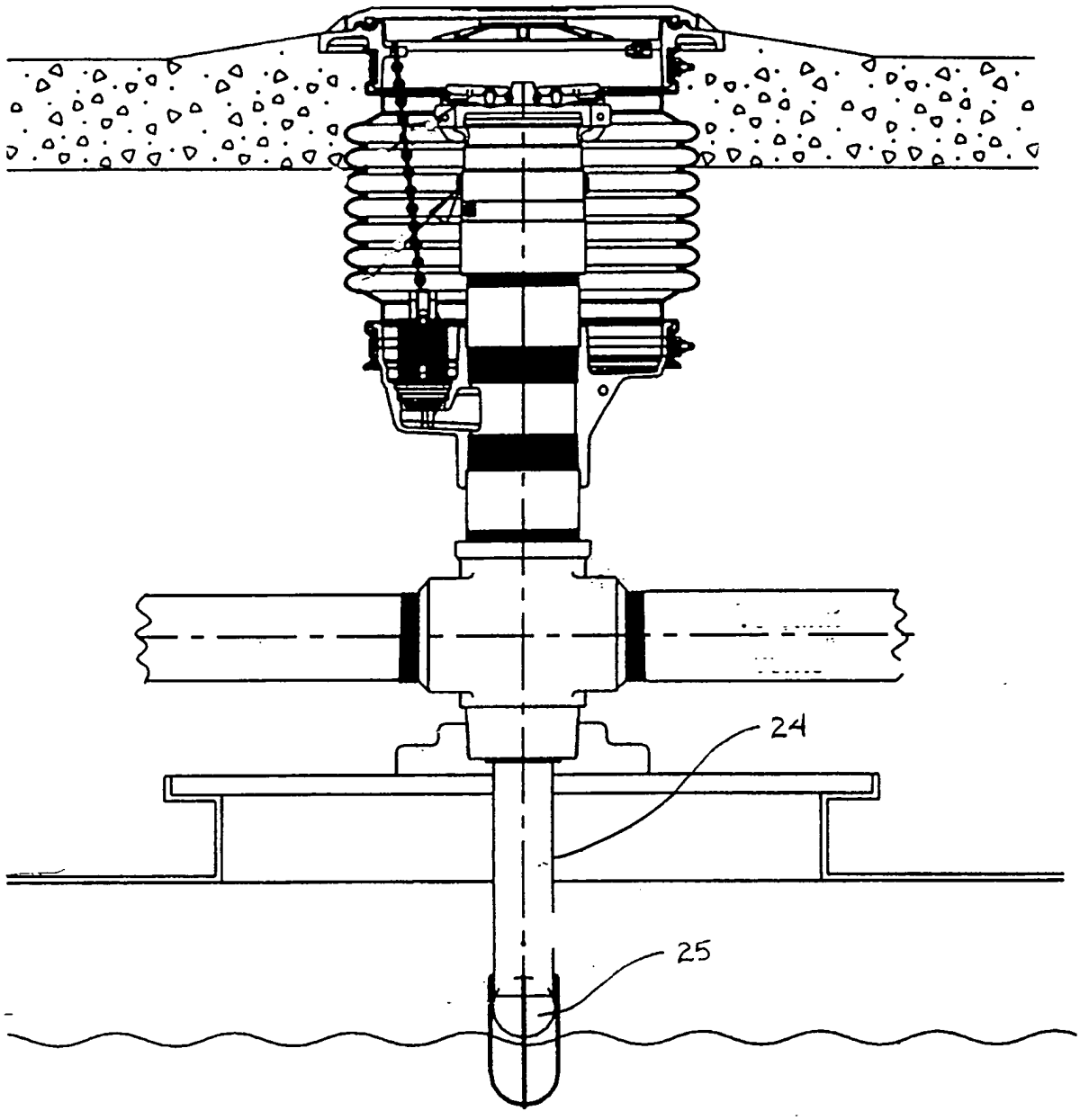


*FIG. 4*

VAPOR RELEASE FROM NOZZLE CONNECTION

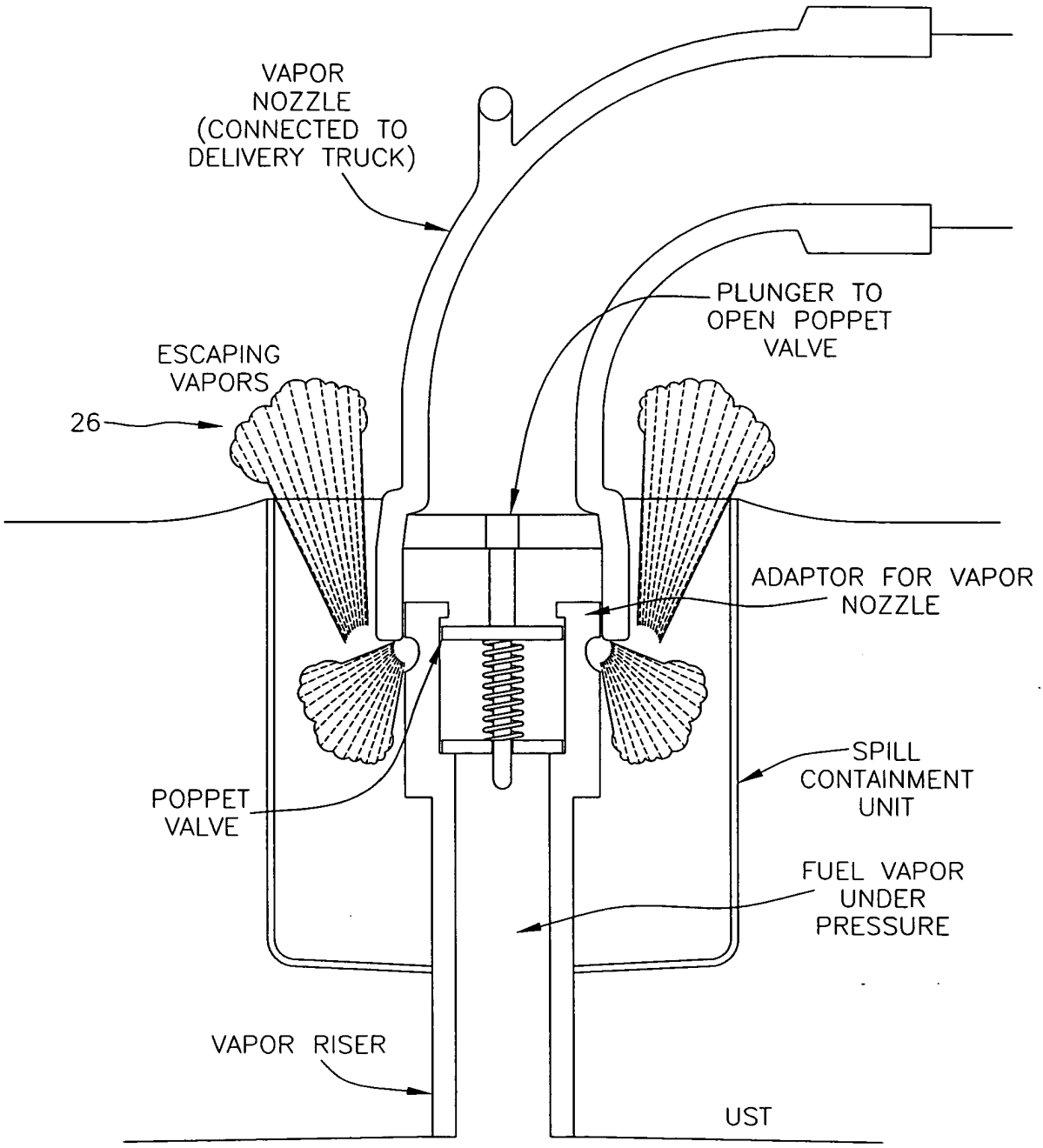


FIG. 5

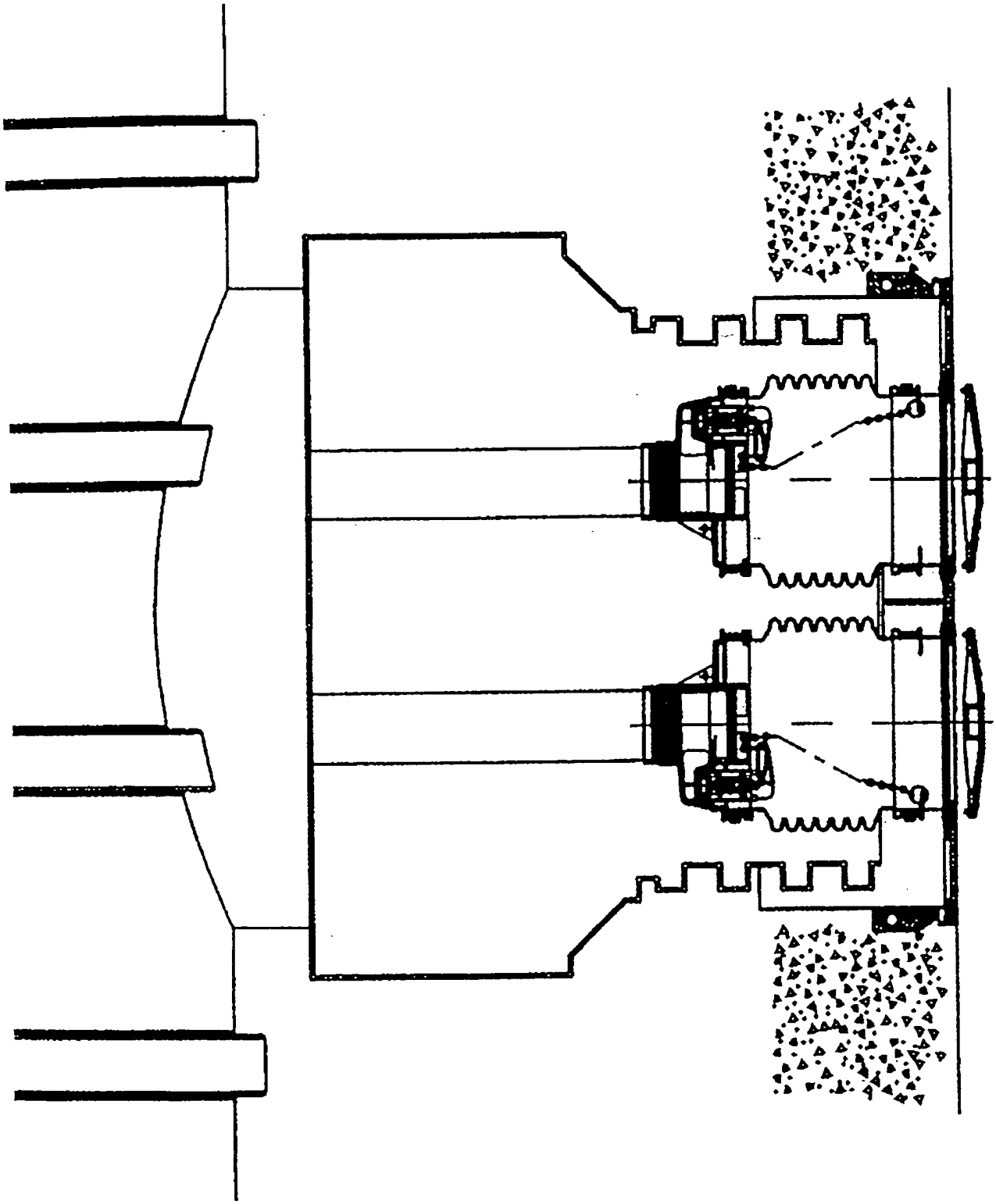


*FIG. 6A*

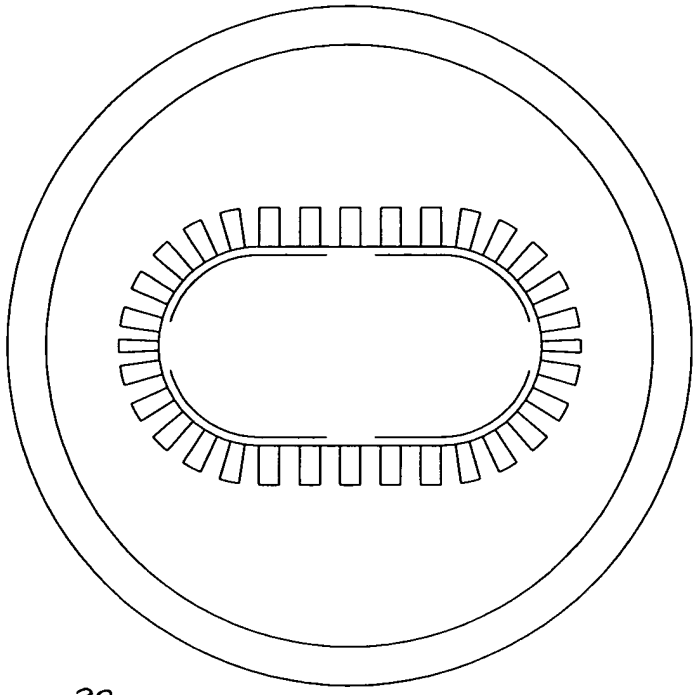
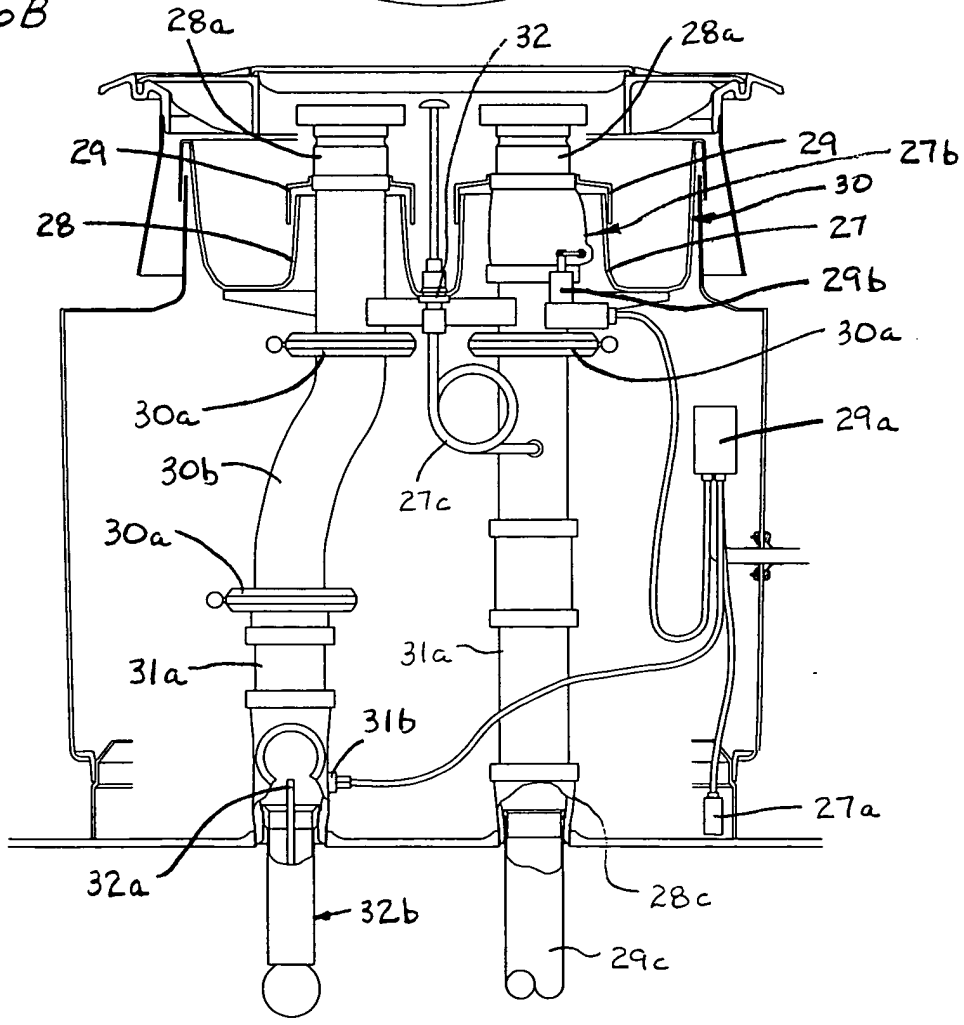


*FIG. 6B*


28a
32
28a
29
29
27b
30
28
27
29b
30a
30a
29a
30b
27c
30a
31a
31a
31b
27a
32a
32b
28c
29c

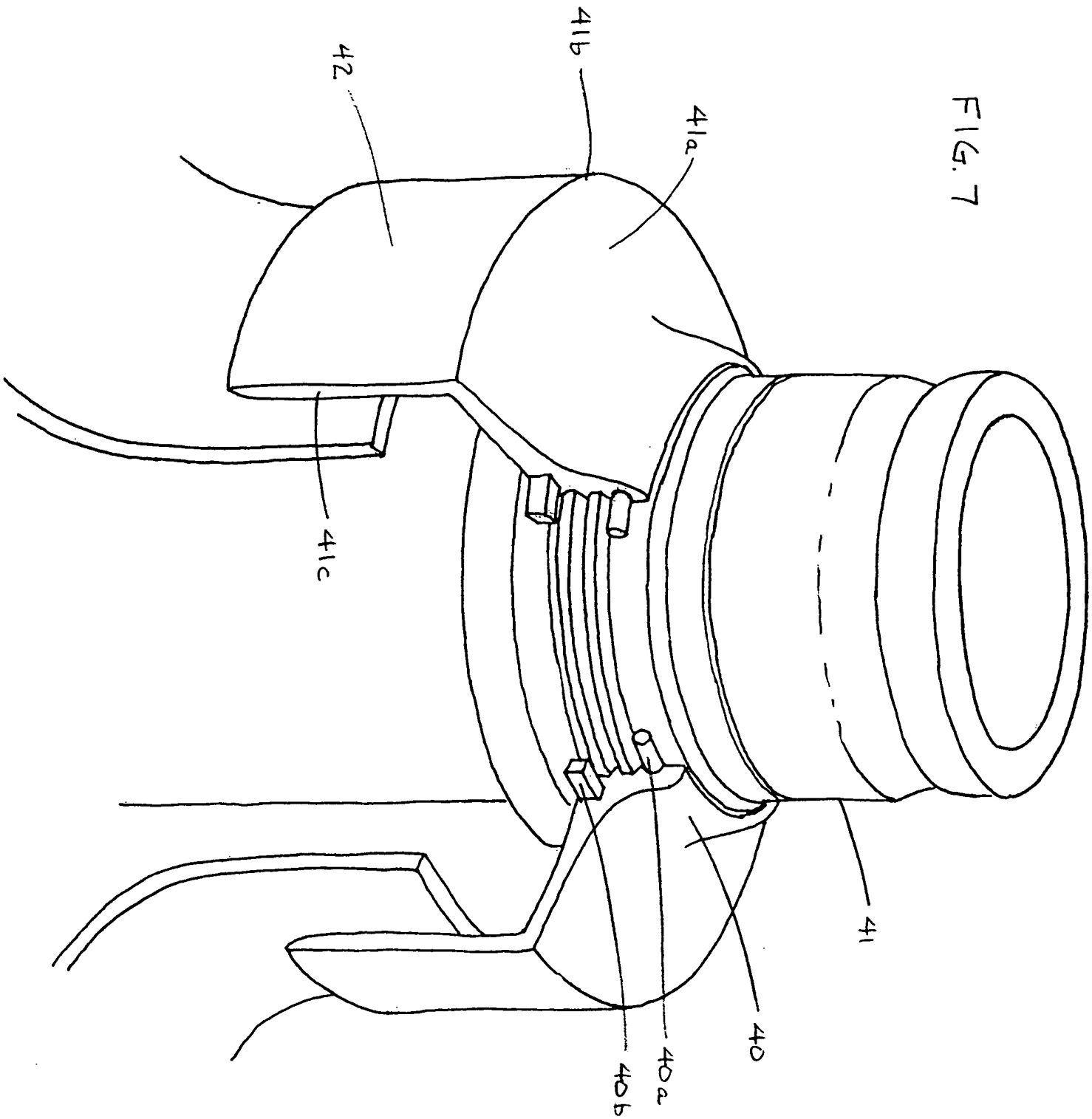



FIG. 7

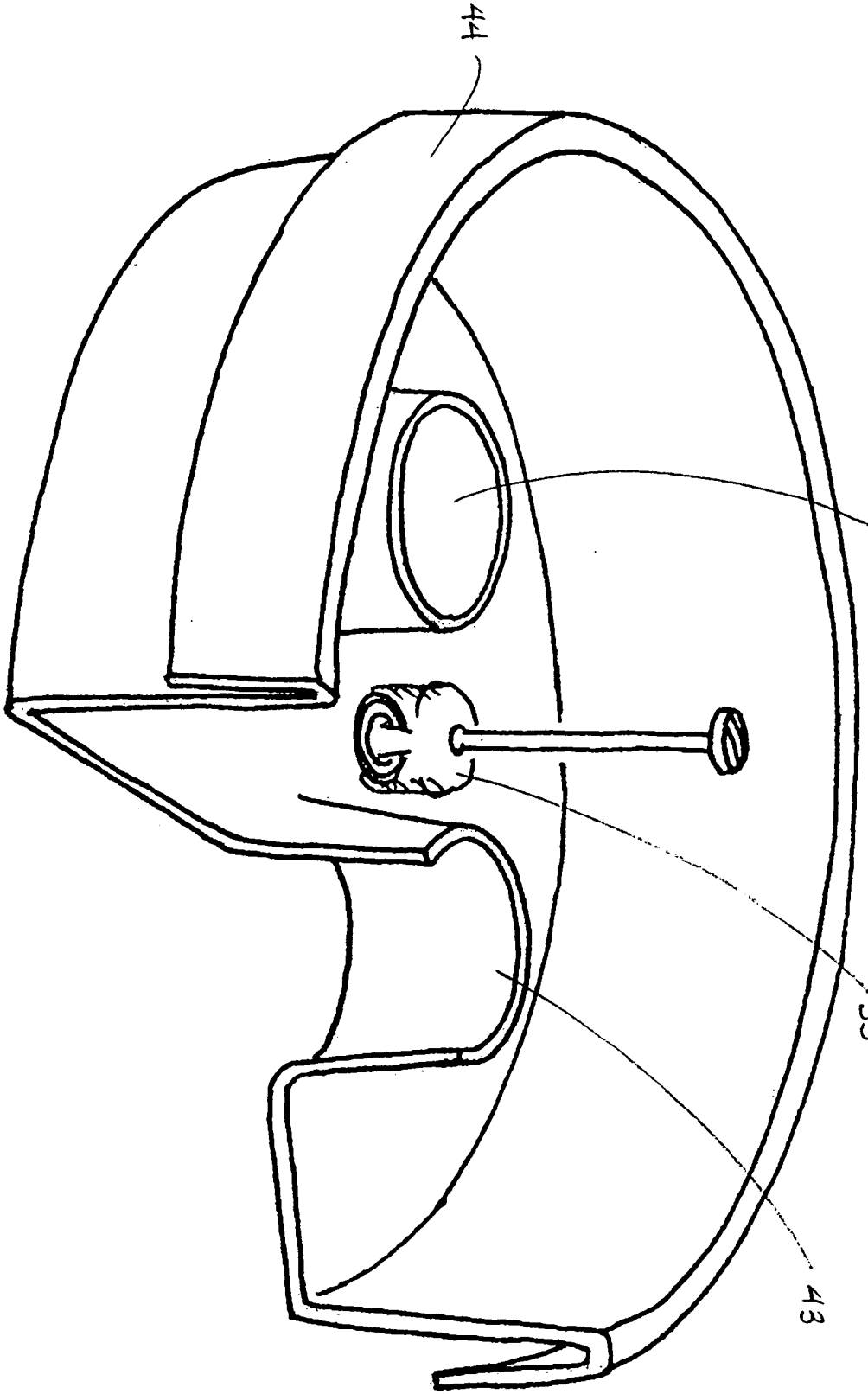



FIG. 8

*FIG. 9A*

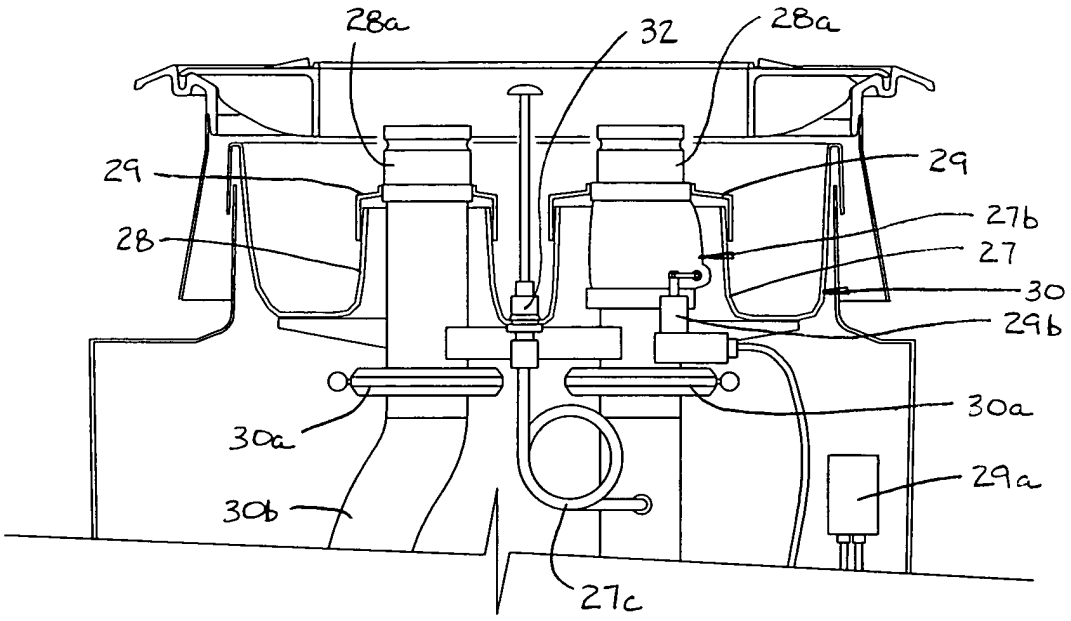

28a
32
28a
29
29
28
27b
27
30
29b
30a
30a
29a
30b
27c

*FIG. 9B*

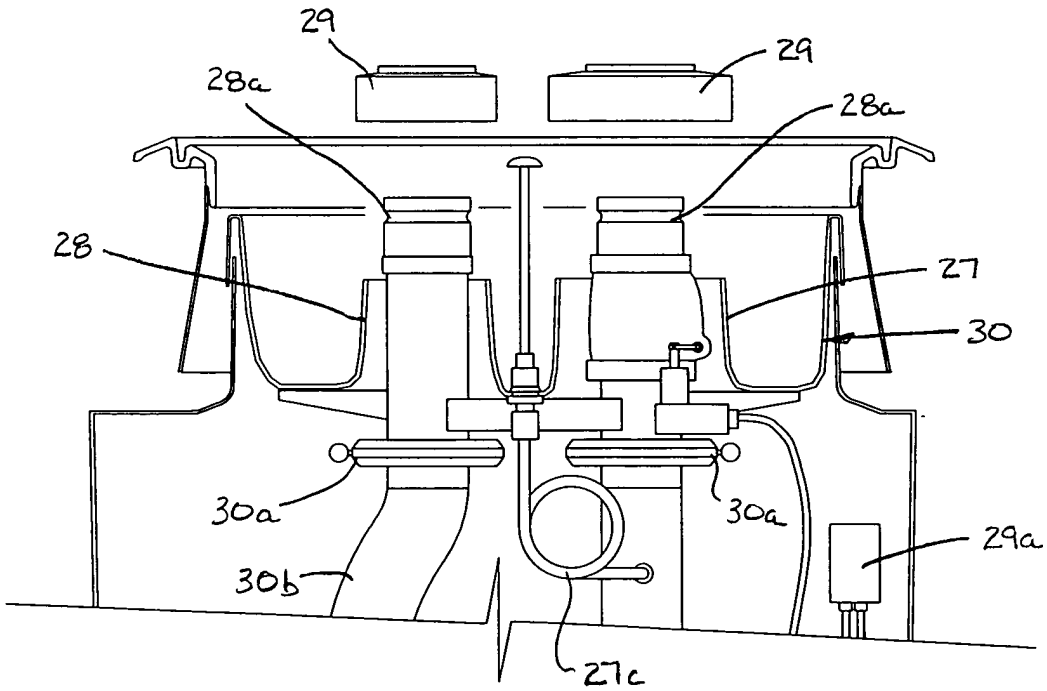

29
29
28a
28a
28
27
30
30a
30a
29a
30b
27c

*FIG. 9C*

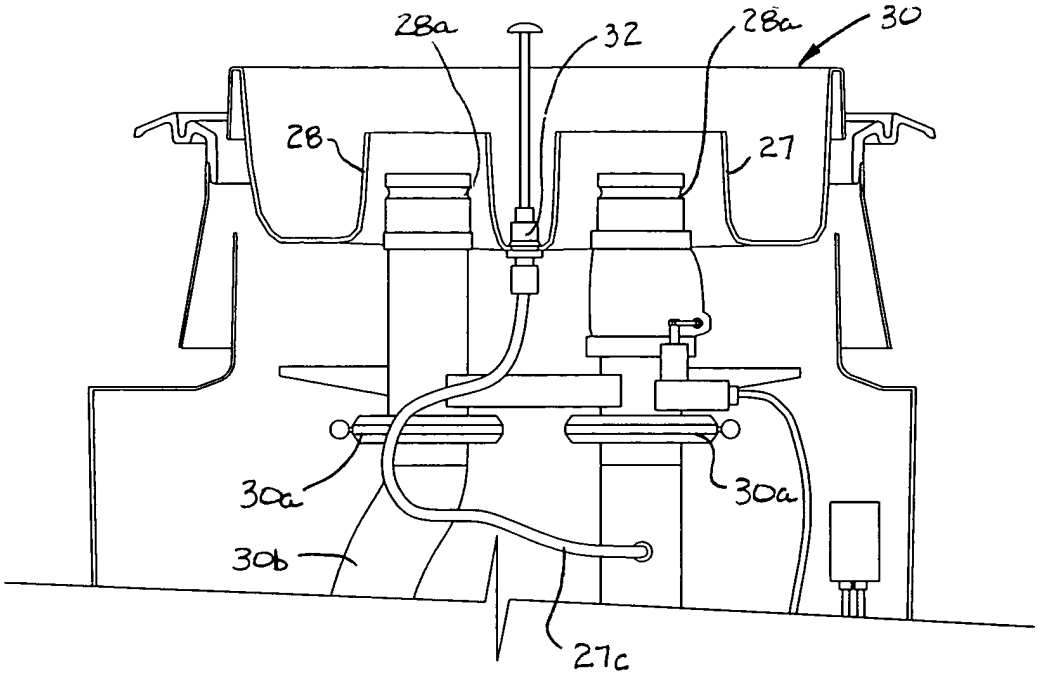
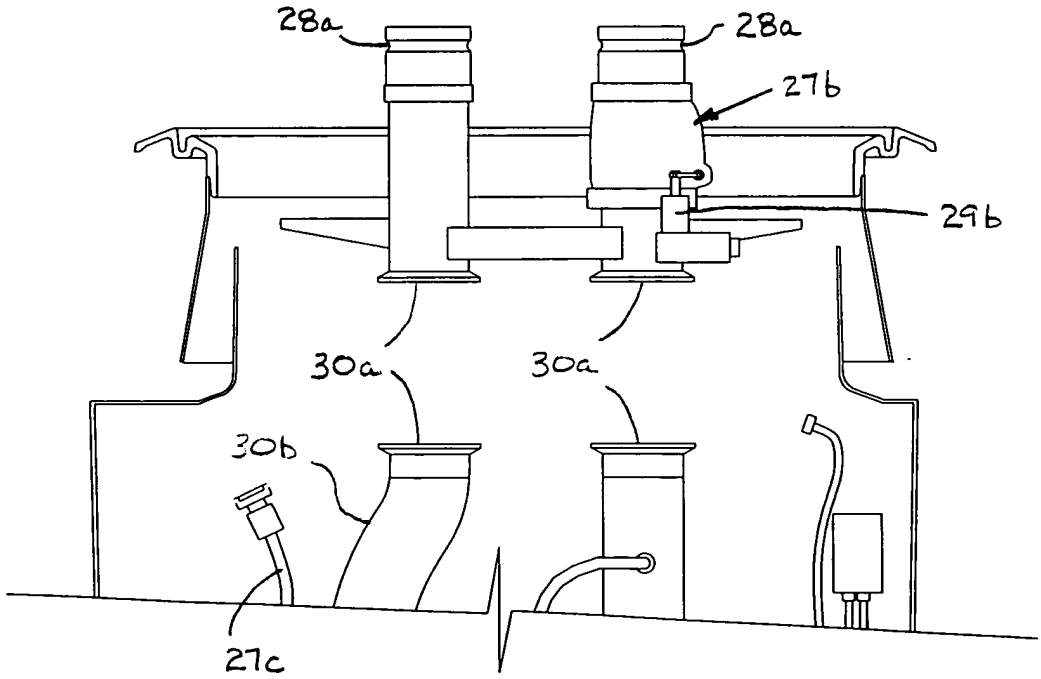

28a
32
28a
30
28
27
30a
30a
30b
27c

*FIG. 9D*


28a
28a
27b
29b
30a
30a
30b
27c

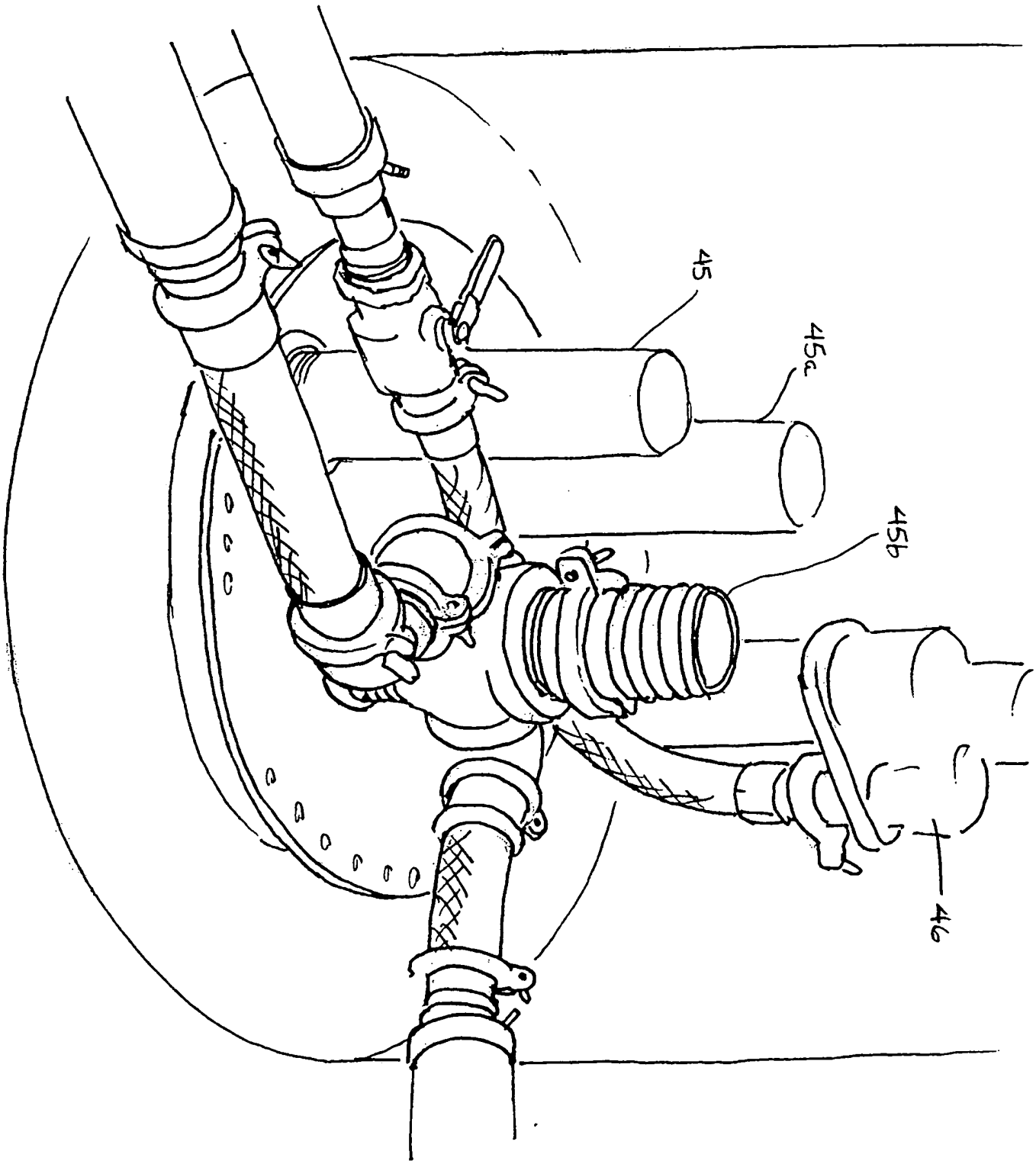
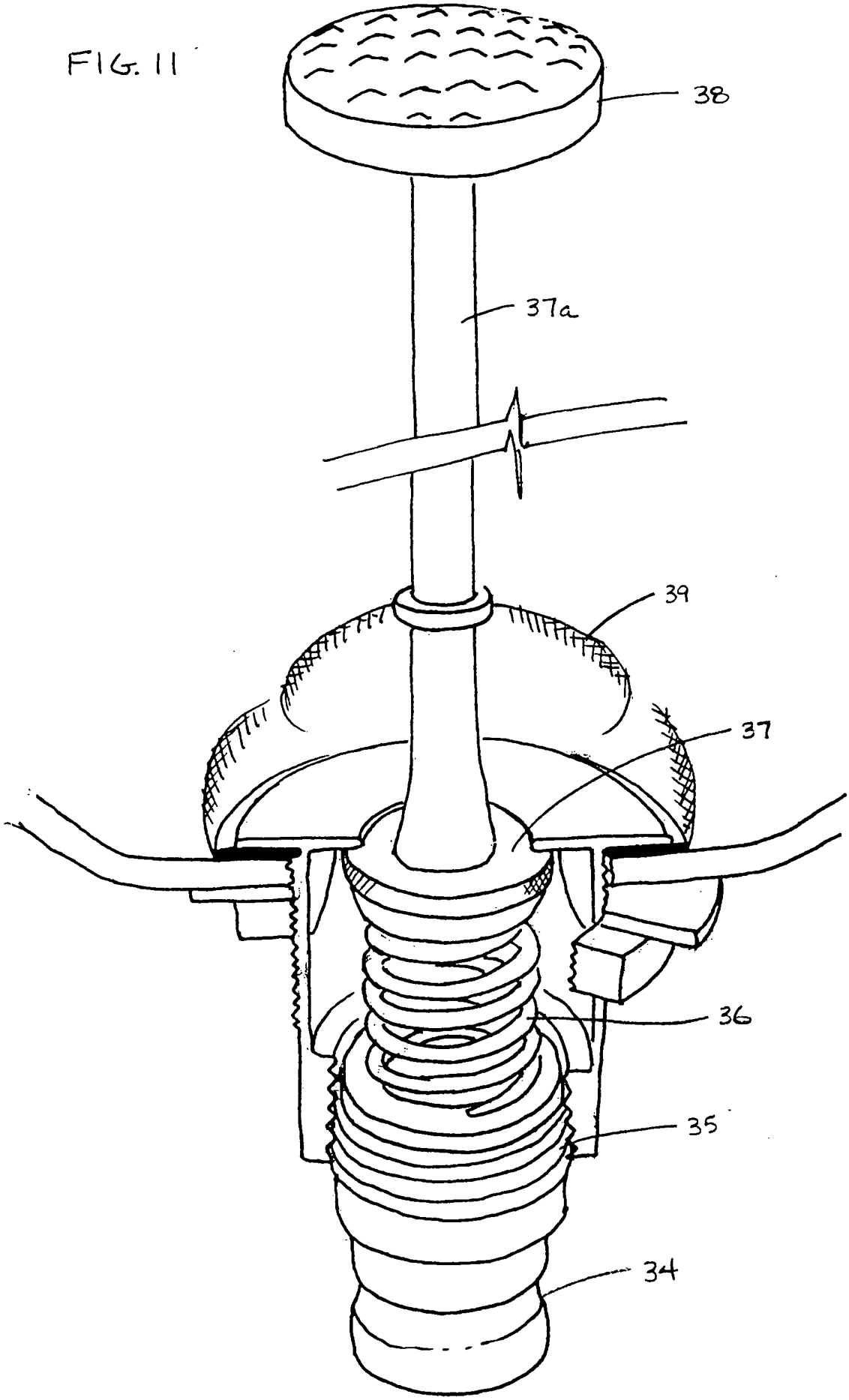



FIG. 10

FIG. 11



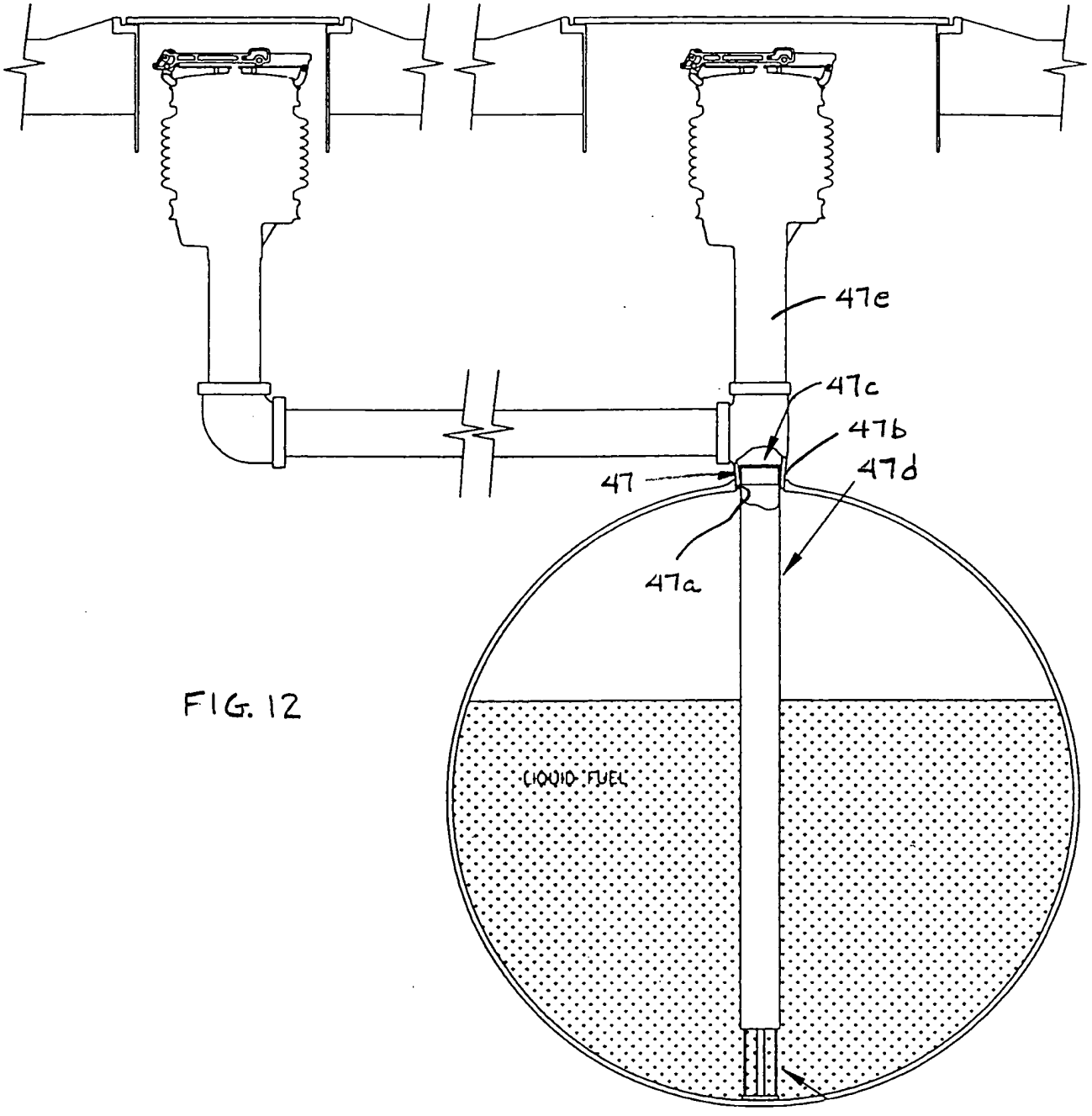



FIG. 12

FIG. 13

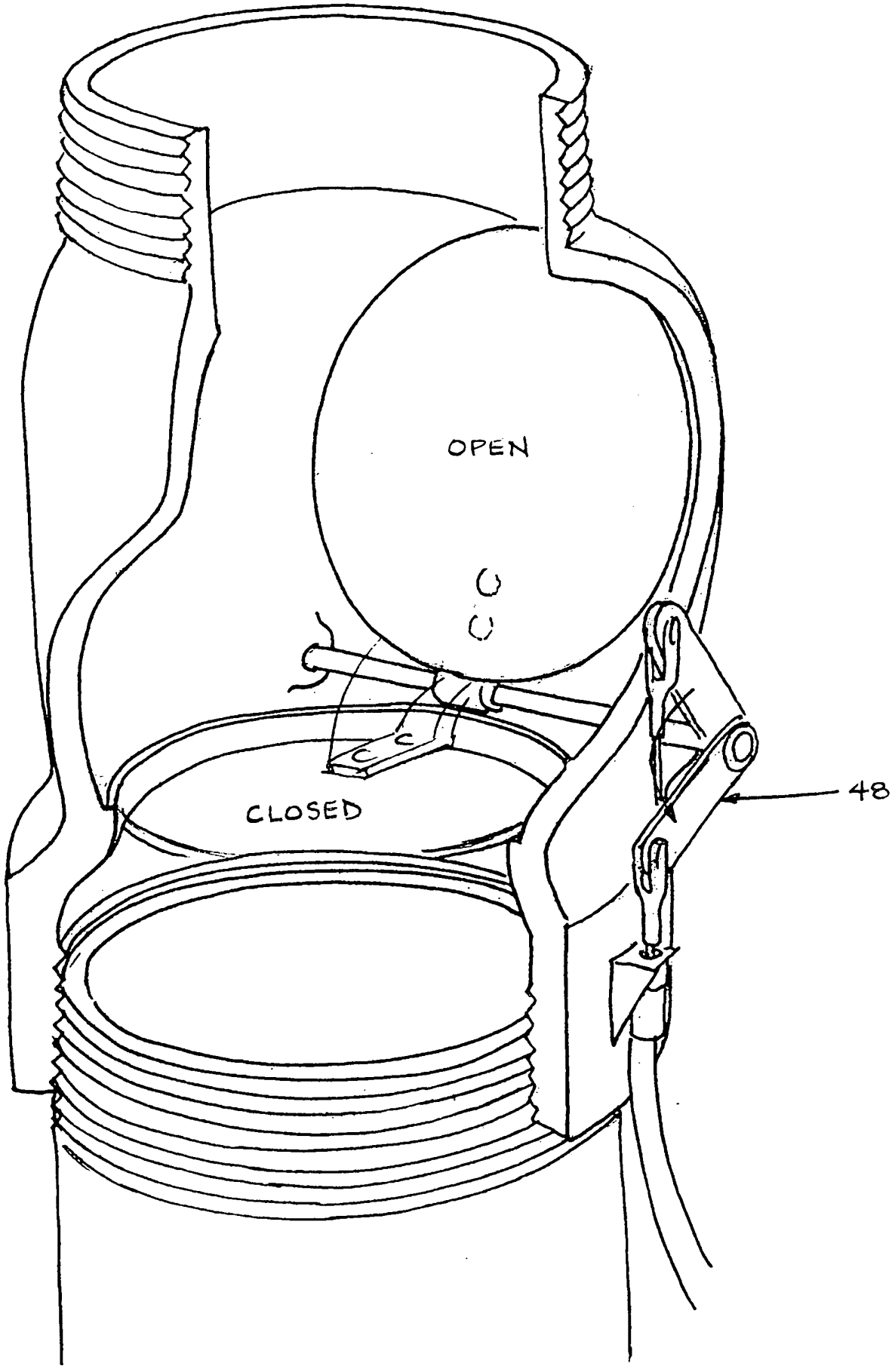
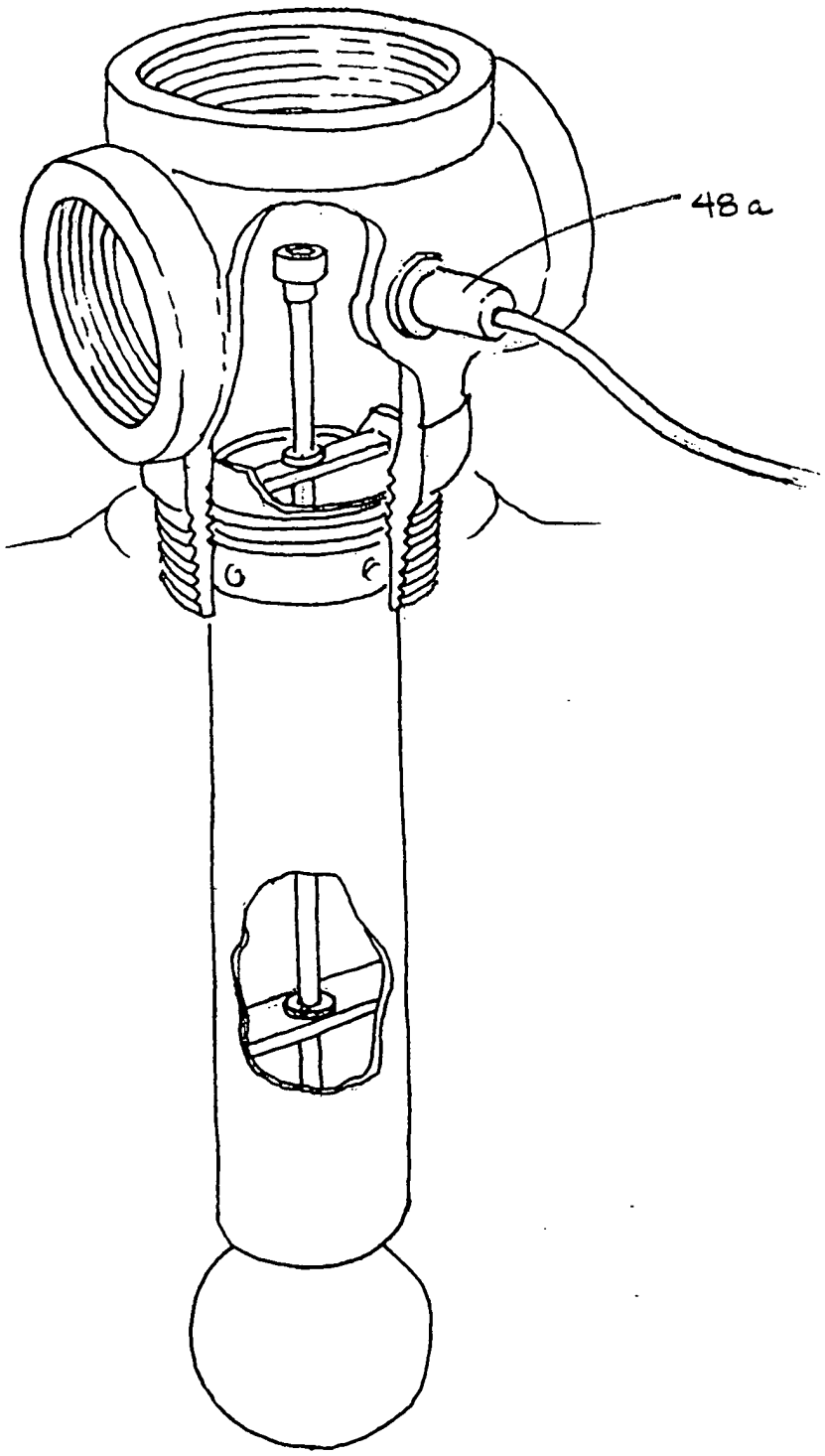



FIG. 14